### PATENT COOPERATION TREATY

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 501746WO	FOR FURTHER ACTION	See item 4 below					
International application No. PCT/JP2004/015372	International filing date (day/month/year) 18 October 2004 (18.10.2004)	Priority date (day/month/year) 17 October 2003 (17.10.2003)					
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237							
Applicant JTEKT Corporation							

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).						
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.  In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.						
3.	This report contains indications r	elating to the following items	:				
	Box No. I	Basis of the report					
	Box No. II	Priority					
	Box No. III	Non-establishment of opin applicability	ion with regard to novelty, inventive step and industrial				
	Box No. IV	Lack of unity of invention					
	Box No. V		Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement				
	Box No. VI	Certain documents cited					
	Box No. VII	Certain defects in the international application					
	Box No. VIII	Certain observations on the	international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).						
			Date of issuance of this report 20 June 2006 (20.06.2006)				
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		mbettes	Authorized officer  Masashi Honda				
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Form PCT/IB/373 (January 2004)

#### PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 15.02.2005 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION 501746WO See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2004/015372 18.10.2004 17.10.2003 International Patent Classification (IPC) or both national classification and IPC F16G5/18,F16H9/24 Applicant JTEKT Corporation This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/JP Facsimile No. Telephone No.

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/015372

Вох	No. I	Basis of this opinion			
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.			
		This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under			
	-	Rule 12.3 and 23.1(b)).			
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, this opinion has been established on the basis of:			
	a. type of material				
		a sequence listing			
		table(s) related to the sequence listing			
	b.	format of material			
		in written format			
		in computer readable form			
	c.	time of filing/furnishing			
		contained in the international application as filed.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority for the purposes of search.			
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
4.	Addi	itional comments:			

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/015372

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement			
	Novelty (N)	Claims _	1-11	YES
		Claims _		_ NO
	Inventive step (IS)	Claims	5-10	YES
		Claims	1-4, 11	
	Industrial applicability	(IA) Claims	1-11	YES
		_		_
_	Citation and an Institute			
2.	Citations and explanations			
	Document 1:		725 A (Gear Chain Industrial B.V.),	
			ber 1996, claims 1, 4, fig. 3, 5,	
			8021 A, & EP 741255 A1,	
			00141 C, & NL 1000294 C	
	Document 2:		m of the specification and drawings	
			to the request of Japanese Utility	
		Model Ap	plication No. 151198/1988 (Laid-open	
		No. 7114	7/1990) (Mitsuboshi Belting Ltd.),	
		30 May 1	990, entire text, fig. 1-3	
	Document 3:	JP 7-690	01 B2 (Nissan Motor Co., Ltd.), 26	
		July 199	5, columns 4-5, fig. 6-10	
	Document 4:	DE 44292	23 C1 (Manfred Rattunde), 24 August	
		1995, fi	g. 1-2	
	The inv	ventions s	et forth in claims 1 and 11 do not	
	involve an	inventive	step in the light of documents 1 and	
	2 cited in t	the intern	ational search report. A person	
	skilled in t	the art co	ould easily conceive of constituting	
	the pins in	the power	transmission chain disclosed in	
	document 1 s	so that th	ne pins comprise a plurality of types	
	having diffe	erent stif	fness characteristics, as with the	

chip units disclosed in document 2.

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
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Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The invention set forth in claims 2 and 3 does not involve an inventive step in the light of document 1, together with either of documents 3 and 4 cited in the international search report. A person skilled in the art could easily conceive of constituting the pins in the power transmission chain disclosed in document 1 so that the pins comprise a plurality of types having different cross-sectional shapes or different cross-sectional area, as with the joint pins disclosed in documents 3 and 4.

The invention set forth in claim 4 does not involve an inventive step in the light of document 1 and document 4. A person skilled in the art could easily conceive of constituting the pins in the power transmission chain disclosed in document 1 so that pin width is broader the longer the pitch of a link, as with the joint pins disclosed in document 4.

The invention set forth in claims 5 to 10 is not disclosed in any of the documents cited in the international search report, nor would it be obvious to a person skilled in the art.